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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known					
Application Number	10/724,101				
Filing Date	December 1, 2003				
First Named Inventor	Tadahiro OHMI				
Art Unit	1765				
Examiner Name	Unassigned				
Attomory Docket Number	CUCI0127				

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
OAL	Α	^{US-} 6,733,732	05-11-2004	Ohmi et al.	
ML	В	US- 2004/0137744	07-15-2004	Ohmi et al.	
DAL	С	us- 2004/0247502	12-09-2004	Ohmi et al.	
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		FORE	GN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Examiner Signature	Jennifer Leuna	Date Considered	06-21-05
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Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

10/724,101 **Application Number** Filing Date December 1, 2003 First Named Inventor Tadahiro OHMI et al Art Unit **Examiner Name** Unknown **Attorney Docket Number SUGI0137**

Complete if Known

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Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁶ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	1º
DAL	Α	JP 10-297907 A	11-10-1998	Fujikin Inc.		
720	В	WO 97/48640	12-24-1997	Ultraclean Tech		
MI	O	JP 2000-72405 A	03-07-2000	Fujikin Inc.		$ldsymbol{ld}}}}}}$
799	D	JP 6-147420 A	05-27-1994	Matsushita Elec		
TOR	ш	JP 63-138220 A		Chino Corp.		
M	F	JP 11-084299 A	03-26-1999	Konica Corp.		

Examiner Signature	Jennifer	Leung	Date Consi	idered 06-21-05

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known				
Application Number	10/724,101			
Filing Date	December 1, 2003			
First Named Inventor	Tadahiro OHMI et al			
Art Unit	1765			
Examiner Name	Unassigned			
Attorney Docket Number	SUGI0137			

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Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f browd)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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MAL	G	JP 2000-169109 A2	06-20-2000	Fujikin Inc.		
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Examiner Signature	Jennifer Leuna	Date Considered	06-21-05

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30050101010	·		Application Number	10/724,101		
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STAT	EMENT	BY API	PLICANT	First Named Inventor	Tadahiro OHMI et al	
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Sheet	3	of	3	Attorney Docket Number	SUGI0137	$\overline{}$

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
OAL	ı	Internationial Search Report, PCT/JP00/04911, Japanese Patent Office, completed August 28, 2000, 4 pages.	
ML	J	Chemical Handbook, Fundamentals, Part II, June 25, 1986, p. 406, Maruzen Publishing Company, Tokyo, Japan.	

Examiner Signature	Jenni Fer	Lune	Date Considered	06-21-05
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of a collection of information under the patricipal and the collection of the Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number 10/724,101 Filing Date December 1, 2003 INFORMATION DISCLOSURE First Named Inventor Tadahiro OHMI STATEMENT BY APPLICANT Art Unit 1765 Examiner Name Unknown Attorney Docket Number SUG10137

Examiner	Cite	Document Number	Publication Date	T DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
Initials*	Cite No.1	Number-Kind Code ^{2 (7 known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
m	Α	^{US-} 6,093,662	07-25-2000	Ohmi et al.	
m	В	^{US-} 6,274,098 B1	08-14-2001	Tanabe et al.	
m	С	^{US-} 6,334,962 B1	01-01-2002	Minami et al.	
OAL	D	^{US-} 6,180,067 B1	01-30-2001	Ohmi et al.	
2992	Ε	^{US-} 3,755,075	08-28-1973	Henrie	
ML	F	^{US-} 2001/0048907 A1	12-06-2001	Ohmi et al.	
M	G	^{US-} 2002/0136676 A1	09-26-2002	Komehana et al.	
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		Country Code ³ "Number ⁴ "Kind Code ³ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	7
742	Н	EP 0 878 443 A1	11-18-1998	Fujikin/Hitachi		
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Examiner Signature	Jennifer Leunar	Date Considered	06-21-05

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STATEMENT BY APPLICANT				First Named Inventor	Tadahiro OHMI
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		NON DATEME LITERATURE DOCUMENTS	
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Initials*	Cite No. ¹	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
DAL	· J	International Search Report for International Application No. PCT/JP00/04911, completed August 28, 2000, at the Japanese Patent Office, and mailed September 5, 2000	
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Examiner Signature	Junifer Leung	Date Considered	06-21-05

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